(19) World Intellectual Property Organization

International Bureau



(43) International publication date 24 February 2005 (24.02.2005)

PCT

(10) International publication number

WO 2005/016673 A1

(51) International patent classification⁷:

B60H 1/34

(21) International application number:

PCT/EP2004/008732

(22) International filing date:

4 August 2004 (04.08.2004)

(25) Language of filing:

German

(26) Language of publication:

German

(30) Data relating to the priority: 103 37 135.4

10 2004 024 064.7

11 August 2003 (11.08.2003) 13 May 2004 (13.05.2004)

DE DE

(71) Applicant (for all designated States except US): BEHR GMBH & CO. KG [DE/DE]; Mauserstrasse 3, 70469 Stuttgart (DE).

(72) Inventors; and

(75) Inventors/Applicants (US only): KLINGLER. Dietrich [DE/DE]; Richard-Wagner-Strasse 16, 73540 Heubach (DE). VOIGT, Klaus [DE/DE]; Kelterstrasse 29, 74321 Bietigheim-Bissigen (DE). BURR, Reinhold [DE/DE]; Wangenmühle 5, 89522 Heidenheim (DE).

(74) Joint Representative: BEHR GMBH & CO. KG; Intellectual Property, G-IP, Mauserstrasse 3, 70469 Stuttgart (DE).

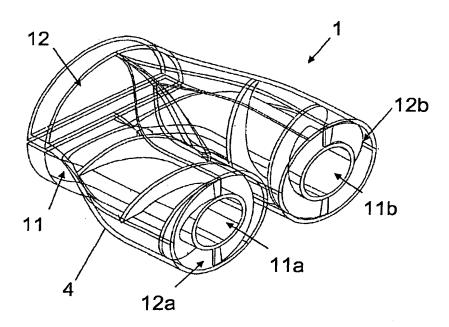
(81) Designated states (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID,

[continued on next page]

As printed

(54) Title: AIR VENT, ESPECIALLY FOR A MOTOR VEHICLE

(54) Bezeichnung: LUFTAUSSTRÖMER, INSBESONDERE FÜR EIN KRAFIFAHRZEUG



(57) Abstract: The invention relates to an air vent (1), especially for a motor vehicle, comprising an air channel for supplying air, and an air guiding device (4). The air channel is divided into at least two essentially cylindrical partial channels (11a, 11b) in the air guiding device (4), said cylindrical partial channels (11a, 11b) being parallel to each other. Especially other partial channels (12a, 12b) provided in the inventive air vent generate a swirling flow.

- IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated states (unless otherwise indicated, for every kind of regional protection available): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for the following designation US

Published:

- With international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

⁽⁵⁷⁾ Zusammenfassung: Die Erfindung betrifft einen Luftausströmer (1), insbesondere für ein Kraftfahrzeug, mit einem Luft zuführenden Luftkanal und einer Luftleitvorrichtung (4), wobei der Luftkanal in der Luftleitvorrichtung (4) in mindestens zwei im Wesentlichen zylinderförmige Teilkanäle (11a, 11b) geteilt ist, und die zylinderförmigen Teilkanäle (11a, 11b) parallel zueinander angeordnet sind. Dabei sind insbesondere weitere Teilkanäle (12a, 12b) vorgesehen, welche eine Drallströmung erzeugen.